

WE CLAIM:

1. A multi-functional hair-dyeing comb structure having an elongated housing containing a chamber with an installation slot at the upper portion thereof, a hole being formed between the chamber and the installation chamber and a guiding rod formed at the hole,
5 characterized in that one end of the housing is a control chamber having a press switch, and a motor is provided at the chamber connected to the press switch, and the other end of the housing is a main shaft gear connected to a transmission gear module; and a
10 rotating disc is mounted at the external of the guiding rod, and the circumferential edge is provided with teeth in engagement with the transmission gear module; and a press disc mounted onto the guiding rod urging the rotating disc, and the external side face of the combing teeth seat is at least is a main binding tube having a hollow
15 opening; and the inner side face of the combing teeth seat is provided with a liquid sac and the combing teeth seat is mounted within the installation slot of the housing;
whereby when the press switch is pressed, the transmission gear module drives the rotating disc to push the press disc moving along
20 the guiding rod, and the press disc urges the liquid sac so that the

dyeing agent is evenly squeezed out.

2. The hair-dyeing comb structure of claim 1, wherein the opening of the main binding tube is at least positioned at the one side of the external end.
- 5 3. The hair-dyeing comb structure of claim 1, wherein the openings are positioned in pair.
4. The hair-dyeing comb structure of claim 1, wherein the opening is located at the axis of the main binding tube.
5. The hair-dyeing comb structure of claim 1, wherein the end portion
10 of the press disc is formed into a push face.
6. The hair-dyeing comb structure of claim 1, wherein the housing is formed by two side plates.
7. The hair-dyeing comb structure of claim 1, wherein at least one side of the combing teeth seat is an elastic button.
- 15 8. The hair-dyeing comb structure of claim 1, wherein one side or two sides of the main binding tube is/are at least a row of dense combing teeth.
9. The hair-dyeing comb structure of claim 1, wherein one side or two sides of the main binding tube is or are at least a row of very dense
20 combing teeth.

10. The hair-dyeing comb structure of claim 1, wherein one side or two sides of the main binding tube at one side or at two sides is or are provided with a row of dense combing teeth or very dense combing teeth.
- 5 11. The hair-dyeing comb structure of claim 1, wherein the lengths of the main binding tube, dense combing teeth and very dense combing teeth are in the sequence of longest length to the lowest length.
12. The hair-dyeing comb structure of claim 1, wherein the ends of the main binding tube, dense combing teeth and very dense combing
10 teeth are in arch shaped.